

CLAIM AMENDMENTS

Claim 1 (previously presented): A switch of a network comprising:

C1 a topology database having configuration information, the configuration information includes a name of the switch, an IP address of the switch, a software version of the switch, and hardware type of the switch; and

a mechanism for sending the configuration information from the topology database to the network and for receiving configuration information from the network and storing it in the topology database, the sending and receiving mechanism include a switch agent for receiving configuration information from the network, the switch agent looks up in the topology database and returns requested information of an SNMP query from the network.

Claims 2 and 3 (canceled)

Claim 4 (previously presented): A switch as described in Claim 1 wherein the switch agent forms an SNMP query to the network.

Claim 5 (original): A switch as described in Claim 4 wherein the topology database has all configuration information of the network.

Claims 6-9 (canceled)

Claim 10 (previously presented): A switch as described in Claim 5 wherein the configuration information includes a unique ID of the switch.

Claim 11 (original): A switch as described in Claim 10 wherein the configuration information includes a remote node index of the switch.

Claim 12 (original): A switch as described in Claim 11 wherein the configuration information includes nodal flags of the switch.

Claim 13 (original): A switch as described in Claim 12 wherein the configuration information includes an interface name for the address of the switch.

Claim 14 (previously presented): A telecommunications system comprising:

S switches, where S is an integer greater than or equal to 2, each switch having a topology database with all configuration information of the S switches, any one switch providing all the configuration information for all of the S switches, the configuration information includes a name of the switch, an IP address of the switch, a software version of the switch, and hardware type of the switch, the switches send configuration information to each other, the switches send SNMP queries to each other to return retrieved configuration information from each other, and the switches respond to the SNMP queries by sending the requested configuration information to the other switches which sent the SNMP queries.

Claims 15 and 16 (canceled)

Claim 17 (previously presented): A system as described in Claim 14 wherein the switches attach a systems information group to a nodal information group to propagate the configuration information to the other switches in response to an SNMP query.

Claim 18 (original): A system as described in Claim 17 wherein the switches have one or more logical nodes.

Claim 19 (original): A system as described in Claim 18 wherein the nodes form a first PNNI peer group.

Claim 20 (original): A system as described in the Claim 19 including a plurality of PNNI peer groups.

Claim 21 (original): A system as described in Claim 20 wherein any node of the first PNNI peer group can provide all the configuration information for the first PNNI peer group.

Claim 22 (previously presented): A method for operating a telecommunications network comprising the steps of:

placing configuration information of a first switch of the network into a topology database of the first switch, the configuration information includes a name of the switch, an IP address of the switch, a software version of the switch, and hardware type of the switch;

sending an SNMP query from the second switch to the first switch for configuration information in the topology data base of the first switch; and

propagating the configuration information of the first switch to a second switch of the network.

Claim 23 (original): A method as described in Claim 22 wherein the first and second switches are in a PNNI peer group, and after the propagating step, there is the step of retrieving configuration information for all the switches in the PNNI peer group from the first switch.

Claim 24 (canceled)

Claim 25 (previously presented): A method as described in Claim 23 wherein the propagating step includes the steps of attaching a system information group having the configuration information from the topology data base of the first switch requested by the SNMP query to a nodal information group; and propagating the system information group attached to the nodal information group to the second switch.
